

Nahrain University
College of Engineering
Department of Architectural Engineering
Study Plan for B. Sc Degree Course (2017-2018)

First Year

❖ **First Semester ...**

No.	Code	Subjects	Hrs per week			Units
			Th	App	Tut	
1	UREQ 110	University Requirements I	1			1
2	UREQ 112	Computer Programming I	1	2		2
3	MATH 110	Mathematics I	2		1	2
4	CREQ 111	Workshop Technology		3		1
5	CREQ 210	Information Technology	1	2		2
6	PHYS 110	Physics	2			2
7	AREQ 110	Architectural Design I	2	8		6
8	AREQ 111	Architectural Graphics I	1	2		2
9	AREQ 112	Freehand Drawing I	1	2		2
Total			12	20	1	20
			33			

❖ **Second Semester ...**

No.	Code	Subjects	Hrs per week			Units
			Th	App	Tut	
1	UREQ 120	Arabic Language I	1			1
2	UREQ 121	English Language I	2			2
3	UREQ 122	Computer Programming II	1	2		2
4	MATH 120	Mathematics II	2		1	2
5	AREQ 120	Architectural Design I *	2	8		6
6	AREQ 121	Architectural Graphics I *	1	2		2
7	AREQ 122	Freehand Drawing I *	1	2		2
8	AREQ 123	Architectural Appreciation	2			2
9	AREQ 124	Physcail Properties of Materials	2			2
Total			14	14	1	21
			29			

AR(1-5)

College of Engineering
Department of Architectural Engineering
Study Plan for B. Sc Degree Course (2017-2018)

Second Year

❖ **First Semester ...**

No.	Code	Subject	Hrs per week			Units
			Th	App	Tut	
1	UREQ 210	University Requirments II	1			1
2	UREQ 211	Arabic Language II	1			1
3	CREQ 210	Information Technology	1	2		2
4	AREQ 210	Architectural Design II*	2	8		6
5	AREQ 211	Architectural Graphics & Descriptive Geometry I *	1	2		2
6	AREQ 212	Freehand Drawing II *	1	2		2
7	AREQ 213	Computer application of Architecture I: " Auto CAD"	1	2		2
8	AREQ 214	Building Construction I	1	3		2
9	AREQ 215	Architecture of Ancient Mesopotamia	1			1
Total			10	19		19
			29			

❖ **Second Semester ...**

No.	Code	Subject	Hrs per week			Units
			Th	App	Tut	
1	UREQ 220	University Requirments III	1			1
2	AREQ 220	Architectural Design II*	2	8		6
3	AREQ 221	Architectural Graphics & Descriptive GeometryI *	1	2		2
4	AREQ 222	Freehand Drawing II *	1	2		2
5	AREQ 223	Computer application of Architecture II: (3D Max)	1	2		2
6	AREQ 224	Building Construction I *	1	3		2
7	AREQ 225	Surveying	1	2		2
8	AREQ 226	Structures I : " Concepts "	2			2
Total			10	19		19
			29			

Nahrain University
College of Engineering
Department of Architectural Engineering
Study Plan for B. Sc Degree Course (2017-2018)

Third Year

❖ **First Semester ...**

No.	Code	Subject	Hrs per week			Units
			The	App	Tut	
1	AREQ 310	Architectural Design III*	2	8		6
2	AREQ 311	Urban Planning Theories	2			2
3	AREQ 312	Building ServicesI:Plumbing &electri.	2			2
4	AREQ 313	Computer application of architectureIII	1	2		2
5	AREQ 314	Building Construction II *	1	3		2
6	AREQ 315	History of Architecture I	2			2
7	AREQ 316	StructuresII:" Concrete Fundamentals & Design" *	2			2
8	AREQ 317	Design Methodology	2			2
9	AREQ 318	Sustainability in Architecture	2			2
Total			16	13		22
			29			

❖ **Second Semester ...**

No.	Code	Subjects	Hrs per week			Units
			Th	App	Tut	
1	AREQ 320	Architectural Design III*	2	8		6
2	AREQ 321	Preservation methods	2			2
3	AREQ 322	Building ServicesII:Air Conditioning	2			2
4	AREQ 323	Computer application of architecture IV	1	2		2
5	AREQ 324	Building Construction II*	1	3		2
6	AREQ 325	History of Architecture II	2			2
7	AREQ 326	Structures III: " steel Design" *	2			2
8	AREQ 328	Iraqi Local Architecture	2			2
Total			14	13		20
			27			

Nahrain University
College of Engineering
Department of Architectural Engineering
Study Plan for B. Sc Degree Course (2017-2018)

Fourth Year

❖ **First Semester ...**

No.	Code	Subject	Hrs per week			Units
			Th	App	Tut	
1	CREQ 411	Engineering mangment & Economy	2			2
2	AREQ 410	Architectural DesignVII	2	8		6
3	AREQ 411	StructuresIII: " Concrete Design"	2			2
4	AREQ 412	Islamic Architecture I	2			2
5	AREQ 413	Urban design theories	2			2
6	AREQ 414	Housing Theory	2			2
7	AREQ 415	Theory of Architecture I	2			2
8	AREQ 416	Environment Architecture I: "Climate"	2			2
9	AREQ 417	Advanced Building Technology I	2			2
Total			18	8		22
			26			

❖ **Second Semester ...**

No.	Code	Subject	Hrs per week			Units
			Th	App	Tut	
1	AREQ 420	Architectural DesignVIII	2	8		6
2	AREQ 421	Structures IV: " steel Design"	2			2
3	AREQ 422	Islamic Architecture II	2			2
4	AREQ 423	Psychology in Architecture	2			2
5	AREQ 424	Building Regulations	2			2
6	AREQ 425	Theory of Architecture II	2			2
7	AREQ 426	Environment & Architecture II: "Acoustic"	2			2
8	AREQ 427	Advanced Building Technology II	2			2
9	AREQ 428	Building Services " Electrical "	2			2
Total			18	8		22
			26			

Nahrain University
College of Engineering
Department of Architectural Engineering
Study Plan for B. Sc Degree Course (2017-2018)

Fifth Year

❖ **First Semester ...**

No.	Code	Subject	Hrs Per week			Units
			Th	App	Tut	
1	AREQ 510	Architecture Design(Thesis)	6	12		12
2	AREQ 511	Elective	2			2
3	AREQ 512	Professional Practice	2			2
4	AREQ 513	Iraqi Local Architecture	2			2
Total			12	12		18
			24			

❖ **Second Semester ...**

No.	Code	Subjects	Hrs. Per week			Units
			Th	App	Tut	
1	AREQ 510	Architecture Design(Thesis)	8	12		14
2	AREQ 521	Elective	2			2
3	AREQ 522	Quantities & Specifications	2			2
Total			12	12		18
			24			

Approved Electives

- 1-Urban Environment
- 2- Contemporary Housing Theory
- 3-Landscape in Architecture
- 4-Interior Design theory
- 5- Solar Application in Architecture
- 6- Mega structure
- 7- Criticism In Architectue

Class	SEMESTER I				SEMESTER II			
	Th	App	Tut	Units	Th	App	Tut	Units
First Year	12	20	1	19	14	14	1	21
Second Year	10	19		19	10	19		19
Third Year	16	13		22	14	13		20
Fourth Year	18	8		22	18	8		22
Fifth Year	12	12		18	12	12		18
Total	68	72	1	100	68	66	1	100
	141				135			
Total Hours=276*15=4140								
Total Units= 200								